

# Claims

1. A lens, having one curved surface (2), having one plane surface (3), and having a holding edge (4) integrally formed onto the lens edge, wherein a supporting edge (5) projecting from the plane surface (3) is integrally formed onto the holding edge (4), characterized in that the lens (1) is bright pressed on both sides.

2. The lens of claim 1, characterized in that the supporting edge (5) is integrally formed onto the outer circumference of the lens (1).

3. The lens of claim 1 or 2, characterized in that the thickness D of the supporting edge (5) is at least 0.2 mm.

4. The lens of one of claims 1 through 3, characterized in that the width  $B_1$  of the supporting edge (5) is less than or equal to the width  $B_2$  of the holding edge (4).

5. Use of a lens, bright pressed on both sides, having one curved surface (2), having one plane surface (3), and having a holding edge (4), integrally formed onto the lens edge, on which holding edge a supporting edge (5) projecting from the plane surface (3) is integrally formed, for projection headlights for motor vehicles.

6. A method for producing a lens having one curved surface and one plane surface, in which a holding edge is integrally formed onto the lens edge and a supporting edge projecting from the plane surface is integrally formed onto the holding edge, and both surfaces are bright pressed.

7. The method of claim 6, characterized in that the lens is placed on its supporting edge in the cooling process.

REFERENCE LIST

- 1 Bright pressed lens
- 2 Convex lens surface
- 3 Plane lens surface
- 5 4 Holding edge
- 5 Supporting edge
- 6 Base
- 10 Lens holder
- 11 Circumferential wall
- 10 12 Flap
- 13 Circlip